

Detailed Specifications & Technical Data



METRIC MEASUREMENT VERSION

6100FE Multi-Conductor - Commercial Audio Systems - 2 Conductors Cabled



For more Information
please call

1-800-Belden1



General Description:

Security & Commercial Audio Cable, Plenum-CL2P, 2-14 AWG stranded bare copper conductors with Flamarrest® insulation, Beldfoil® shield and Flamarrest® jacket with ripcord

Usage (Overall)

Suitable Applications:	Intercom/PA Systems, Sound/Audio Systems
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Physical Characteristics (Overall)

Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
2	14	19x27	BC - Bare Copper

Total Number of Conductors:	2
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Insulation

Insulation Material:

Insulation Trade Name	Insulation Material	Wall Thickness (mm)
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride	0.279

Outer Shield

Outer Shield Material:

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape w/Shorting Fold	100

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
22	Solid	TC - Tinned Copper

Outer Jacket

Outer Jacket Material:

Outer Jacket Trade Name	Outer Jacket Material	Nom. Wall Thickness (mm)
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride	0.381

Outer Jacket Ripcord:	Yes
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Overall Cable

Overall Cabling Lay Length & Direction:

Length (mm)	Twists (twist/m)
69.849725	14.4364

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	White

Overall Nominal Diameter:	5.588 mm
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Mechanical Characteristics (Overall)

UL Temperature Rating:	75°C
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Bulk Cable Weight:	68.904 Kg/Km
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Max. Recommended Pulling Tension:	557.804 N
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Min. Bend Radius/Minor Axis: 58.420 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: CL2P

NEC Articles: 725

EU Directive 2011/65/EU (ROHS II): Yes

EU CE Mark: Yes

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2002/95/EC (RoHS): Yes

EU RoHS Compliance Date (mm/dd/yyyy): 04/01/2005

EU Directive 2002/96/EC (WEEE): Yes

EU Directive 2003/11/EC (BFR): Yes

CA Prop 65 (CJ for Wire & Cable): Yes

MII Order #39 (China RoHS): Yes

Flame Test

UL Flame Test: NFPA 262

Suitability

Suitability - Indoor: Yes

Plenum/Non-Plenum

Plenum (Y/N): Yes

Non-Plenum Number: 5100FE

Electrical Characteristics (Overall)

Nom. Inductance:

Inductance (μ H/m)

0.475745

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

278.885

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)

501.993

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

8.33374

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

32.810

Max. Operating Voltage - UL:

Voltage

150 V RMS

Max. Recommended Current:

Description

Current

10°C Temperature Rise | 8 Amps per conductor @ 25°C ambient

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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6100FE 877U1000	305 MT	22.226 KG	NATURAL		2 #14 FLRST FS FLRST
6100FE 8771000	305 MT	23.133 KG	NATURAL	C	2 #14 FLRST FS FLRST
6100FE 877500	152 MT	11.340 KG	NATURAL		2 #14 FLRST FS FLRST

Notes:

C = CRATE REEL PUT-UP.

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Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помошь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

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- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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